International Application No

PCT/US 00/35160

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   G06F17/60   H04L12/58

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   H04L   G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 94 06230 A (OCTUS INC) 17 March 1994 (1994-03-17) abstract; figures 10A,10B page 3, line 30 –page 4, line 23 ---	1
X	WO 97 22055 A (BANYAN SYSTEMS INC) 19 June 1997 (1997-06-19) abstract; figure 3 page 4, line 9 –page 5, line 11 ---	1
A	US 4 837 798 A (OSTERWEIL JANIS R. ET AL) 6 June 1989 (1989-06-06) abstract; figures 1,3 column 1, line 40 –column 2, line 5 ---	1

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[X] Further documents are listed in the continuation of box C.   [X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
4 April 2003	11/04/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
A	WO 91 01608 A (XPEDITE SYSTEMS INC) 7 February 1991 (1991-02-07) abstract page 4, line 7 - line 18 ---	1
A	WO 99 45691 A (WEBLEY SYSTEMS INC) 10 September 1999 (1999-09-10) abstract; figures 3,5A,5B,6 -----	1

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 9406230	A	17-03-1994	AU	5100593 A	29-03-1994
			WO	9406230 A2	17-03-1994
WO 9722055	A	19-06-1997	US	5761415 A	02-06-1998
			AU	1343097 A	03-07-1997
			WO	9722055 A1	19-06-1997
US 4837798	A	06-06-1989	CA	1261493 A1	26-09-1989
			CA	1270584 B	19-06-1990
			CN	87103996 A ,B	24-02-1988
			DE	3769766 D1	06-06-1991
			EP	0270604 A1	15-06-1988
			JP	2568602 B2	08-01-1997
			JP	63503502 T	15-12-1988
			KR	9206574 B1	08-08-1992
			WO	8707801 A1	17-12-1987
WO 9101608	A	07-02-1991	AU	6167090 A	22-02-1991
			WO	9101608 A1	07-02-1991
WO 9945691	A	10-09-1999	AU	2800199 A	20-09-1999
			CA	2321697 A1	10-09-1999
			EP	1066714 A1	10-01-2001
			WO	9945691 A1	10-09-1999